

# **MICROTOME**

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## **Abstract of the Disclosure**

The invention relates to a microtome, comprising a holding device with a support (3) for holding at least one portion of a processed object (4), and a severing means (6, 10, 13). Known microtomes of the aforementioned type have the disadvantage that the processed object must be fixed and there is limited freedom in the choice of guiding the cut. The invention avoids these disadvantages by the severing means comprising at least one laser radiation source (10) and means for focussing (6; 13) the laser radiation, and the beam focus (22) which has been produced by the focussing can be moved relative to the support (3) and can be guided to a location of the parting surface (19; 20) of the processed object (4) in order to effect severing of the material at this site. The invention furthermore relates to a process for microtomy which can be advantageously carried out with the microtome as claimed in the invention.